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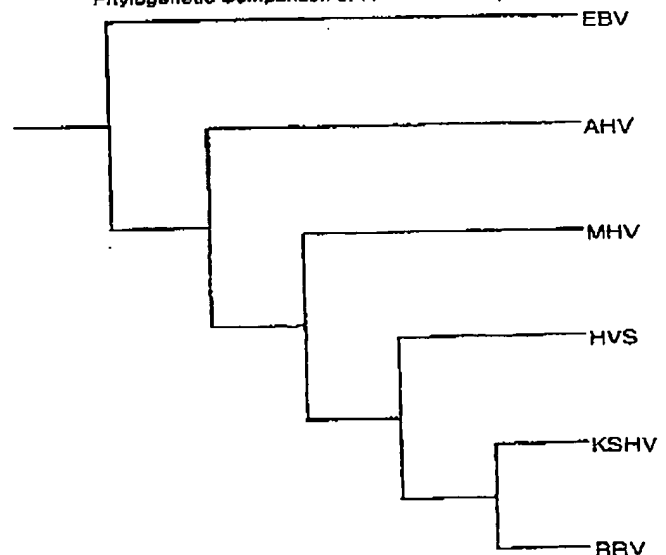
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(54) Title: CLONING OF RHADINOVIRUS GENOME AND METHODS FOR ITS USE

## (57) Abstract

A novel rhesus macaque rhadinovirus, herein designated RRV, is disclosed. The genomic, cDNA and proteins sequences are provided. RRV has some similarity to human Kaposi's sarcoma-associated herpesvirus and causes Kaposi's sarcoma-like symptoms in immuno-compromised non-human primates. RRV possesses genes for both Interleukin-6 and macrophage inflammatory protein 1. The genome of RRV is useful for research, clinical and diagnostic applications aimed towards the rhadinoviruses and herpesviruses in general and KSHV in particular. In addition, methods for using RRV to produce a non-human primate model for the testing of Kaposi's sarcoma-associated herpesvirus therapeutics and vaccines are presented.

## Phylogenetic Comparison of the Gammaherpesviruses



EBV - Epstein-Barr virus  
 AHV - Alcelaphine herpesvirus  
 MHV - Murine herpesvirus 68  
 HVS - Herpesvirus saimiri  
 KSHV - Kaposi's sarcoma-associated herpesvirus  
 RRV - Rhesus rhadinovirus 17577

**EXHIBIT B**